

110.5 - Fertilizers (powder form)

These SRMs are intended for use in the fertilizer industry as working standards.

Technical Contact: liz.mackey@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

(Concentrations are in mass fractions, in mg/kg, unless noted by an asterisk for %)

SRM	Description	Unit Size	Aluminum	Al ₂ O ₃	Arsenic	Boron	Cadmium	Calcium	CaO	CdO	Chlorine	Chromium	Cobalt	Copper	Cr ₂ O ₃	Fe ₂ O ₃	Fluorine
120c	Phosphate Rock (Florida)	90 g							48.02								
193	Potassium Nitrate	90 g															
194	Ammonium Dihydrogen Phosphate	90 g															
200b	Potassium Dihydrogen Phosphate, (KH ₂ PO ₄)	90 g															
694	Phosphate Rock, Western	90 g		1.8					43.6	0.015					(0.10)	0.79	3.2
695	Trace Elements in Multi-Nutrient Fertilizer	70 g	0.61		200	0.111	16.9	2.26			4.6	244	65.3	1225			

Values in parentheses are given for information only.

110.5 - Fertilizers (powder form)

These SRMs are intended for use in the fertilizer industry as working standards.

Technical Contact: liz.mackey@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

ie

Values in parentheses are given for information only.

110.5 - Fertilizers (powder form)

These SRMs are intended for use in the fertilizer industry as working standards.

Technical Contact: liz.mackey@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

(Concentrations are in mass fractions, in mg/kg, unless noted by an asterisk for %)

SRM	Description	Unit Size	Iron (total)	K ₂ O	Lead	Magnesium	Manganese	Mercury	MgO	MnO	Molybdenum	Na ₂ O	Nickel	Nitrogen	P ₂ O ₅	Phosphorus
120c	Phosphate Rock (Florida)	90 g		0.147											33.34	
193	Potassium Nitrate	90 g												13.85		
194	Ammonium Dihydrogen Phosphate	90 g												12.15		26.92
200b	Potassium Dihydrogen Phosphate, (KH ₂ PO ₄)	90 g														22.769
694	Phosphate Rock, Western	90 g		0.51					0.33	0.0116		0.86			30.2	
695	Trace Elements in Multi-Nutrient Fertilizer	70 g	3.99		273	1.79	0.305	1.955			20.0		135	13.9		7.2

Values in parentheses are given for information only.

110.5 - Fertilizers (powder form)

These SRMs are intended for use in the fertilizer industry as working standards.

Technical Contact: liz.mackey@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Potassium
38.66
28.735
11.65

Values in parentheses are given for information only.

110.5 - Fertilizers (powder form)

These SRMs are intended for use in the fertilizer industry as working standards.

Technical Contact: liz.mackey@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

(Concentrations are in mass fractions, in mg/kg, unless noted by an asterisk for %)

SRM	Description	Unit Size	Selenium	SiO ₂	Sodium	Tin	Titanium	TiO ₂	Tungsten	Uranium	Vanadium	V ₂ O ₅	Zinc
120c	Phosphate Rock (Florida)	90 g											
193	Potassium Nitrate	90 g											
194	Ammonium Dihydrogen Phosphate	90 g											
200b	Potassium Dihydrogen Phosphate, (KH ₂ PO ₄)	90 g											
694	Phosphate Rock, Western	90 g		11.2				(0.11)		0.01414		0.31	
695	Trace Elements in Multi-Nutrient Fertilizer	70 g	2.1		0.405		310				122		0.325

Values in parentheses are given for information only.